



IFU

PATENT Receipt

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of:)	Group Art Unit: 1641
Brad ST. CROIX, et al.)	Docket No. 001107.00526
Serial No. 10/518,751)	Confirmation No: 8976
Filed: June 19, 2006)	

For: MEMBRANE ASSOCIATED TUMOR ENDOTHELIUM MARKERS

REQUEST FOR CORRECTED FILING RECEIPT

U.S. Patent and Trademark Office
Customer Service Window
Randolph Building
401 Dulany Street
Alexandria, VA 22314

Dear Sir:

Please issue a Corrected Filing Receipt to correct errors found in the Official Filing Receipt. Specifically, delete the title, "Scroll Compressor" and replace it with --Membrane Associated Tumor Endothelium Markers--.

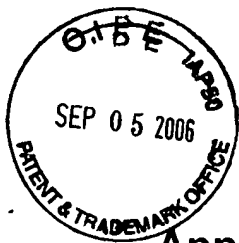
A copy of the Official Filing Receipt with the corrections marked in red, along with the original, is attached. Also enclosed is a copy of the Application Data Sheet as filed on June 19, 2006. We do not believe any fee is associated with this paper. Nonetheless, should the USPTO determine that a fee is required, please charge it to our Deposit Account No. 19-0733.

Respectfully submitted,

Date: September 5, 2006

By: Sarah A. Kagan
Sarah A. Kagan
Registration No. 32,141

BANNER & WITCOFF, LTD.
1001 G Street, N.W., 11th Floor
Washington, D.C. 20001-4597
Telephone: 202-824-3000



Application Data Sheet

Application Information

Application number::
Filing Date:: December 21, 2004
Application Type:: Regular
Subject Matter:: Utility
Suggested classification::
Suggested Group Art Unit::
CD-ROM or CD-R?:
Number of CD disks::
Number of copies of CDs::
Sequence submission?: Yes
Computer Readable Form (CRF)?:: Yes
Number of copies of CRF:: 1
Title:: MEMBRANE ASSOCIATED TUMOR
ENDOTHELIUM MARKERS
Attorney Docket Number:: 001107.00526
Request for Early Publication?: NO
Request for Non-Publication?: NO
Suggested Drawing Figure::
Total Drawing Sheets:: 0
Small Entity?: NO
Latin name::
Variety denomination name::
Petition included?: NO
Petition Type::
Licensed US Govt. Agency:: National Institute of Health
Contract or Grant Numbers:: CA57345; CA 43460
Secrecy Order in Parent Appl.?: NO

Applicant Information

Applicant Authority Type::	Inventor
Primary Citizenship Country::	Canada
Status::	Full Capacity
Given Name:	Brad
Middle Name::	
Family Name::	St. Croix
Name Suffix::	
City of Residence::	Frederick
State or Province of Residence::	Maryland
Country of Residence::	USA
Street of mailing address::	9010 Allington Mano Circle West
City of mailing address::	Frederick
State or Province of mailing address::	Maryland
Country of mailing address::	USA
Postal or Zip Code of mailing address::	21703

Applicant Information

Applicant Authority Type::	Inventor
Primary Citizenship Country::	USA
Status::	Full Capacity
Given Name:	Kenneth
Middle Name::	W.
Family Name::	KINZLER
Name Suffix::	
City of Residence::	Bel Air
State or Province of Residence::	Maryland
Country of Residence::	USA

Street of mailing address:: 1403 Halkirk Way
City of mailing address:: Bel Air
State or Province of mailing address:: Maryland
Country of mailing address:: USA
Postal or Zip Code of mailing address:: 21015

Applicant Information

Applicant Authority Type:: Inventor
Primary Citizenship Country:: USA
Status:: Full Capacity
Given Name: Bert
Middle Name::
Family Name:: VOGELSTEIN
Name Suffix::
City of Residence:: Baltimore
State or Province of Residence:: Maryland
Country of Residence:: USA
Street of mailing address:: 3700 Breton Way
City of mailing address:: Baltimore
State or Province of mailing address:: Maryland
Country of mailing address:: USA
Postal or Zip Code of mailing address:: 21208

Correspondence Information

Correspondence Customer Number:: 22907

Representative Information

Representative Customer Number:: 22907

Domestic Priority Information

Application::	Continuity Type::	Parent Application::	Parent Filing Date::
This Application	National Stage of	PCT/US2003/019544	23 June 2003
PCT/US2003/019544	Non-Provisional of	60/390,187	21 June 2002
PCT/US2003/019544	Non-Provisional of	60/458,959	01 April 2003

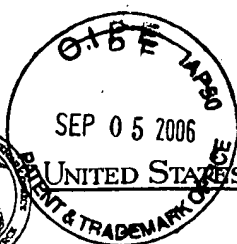
Foreign Priority Information

Country::	Application number::	Filing Date::	Priority Claimed::

Assignee Information

Assignee name: The Johns Hopkins University
Street of mailing address: 3400 N. Charles Street
City of mailing address: Baltimore
State or Province of mailing address: Maryland
Country of mailing address: USA
Postal or Zip Code of mailing address:: 21218

SAK



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/518,751	06/19/2006	1641	1530	001107.00526		54	9

CONFIRMATION NO. 8976

22907
 BANNER & WITCOFF
 1001 G STREET N W
 SUITE 1100
 WASHINGTON, DC 20001

RECEIVED

AUG 24 2006

FILING RECEIPT



OC000000020090867

BANNER & WITCOFF, LTD.

Date Mailed: 08/18/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

Applicant(s)

Brad St Croix, Frederick, MD;
 Kenneth Kinzler, Bel Air, MD;
 Bert Vogelstein, Baltimore, MD;

DOCKETED

001107.00526
 AUG 24 2006 AR

Power of Attorney:

Sarah Kagan--32141

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US03/19544 06/23/2003
 which claims benefit of 60/390,187 06/21/2002
 and claims benefit of 60/458,959 04/01/2003

Foreign Applications

If Required, Foreign Filing License Granted: 08/17/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/518,751**

Projected Publication Date: 11/23/2006

Non-Publication Request: No

Early Publication Request: No

Title

Scroll compressor

-D-Membrane Associated Tumor Endothelium Markers--

Preliminary Class

424

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

LICENSE FOR FOREIGN FILING UNDER**Title 35, United States Code, Section 184****Title 37, Code of Federal Regulations, 5.11 & 5.15****GRANTED**

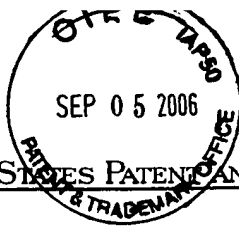
The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/518,751	Brad St Croix	001107.00526

INTERNATIONAL APPLICATION NO.

PCT/US03/19544

I.A. FILING DATE	PRIORITY DATE
06/23/2003	06/21/2002

22907
 BANNER & WITCOFF
 1001 G STREET N W
 SUITE 1100
 WASHINGTON, DC 20001

CONFIRMATION NO. 8976

371 ACCEPTANCE LETTER



OC000000020090868

Date Mailed: 08/18/2006

NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

<u>06/19/2006</u>	<u>06/19/2006</u>
DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and (c)(4) REQUIREMENTS	DATE OF COMPLETION OF ALL 35 U.S.C. 371 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 (c)(1), (c)(2) and (c)(4) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- Copy of the International Application filed on 12/21/2004
- Copy of the International Search Report filed on 12/21/2004
- Preliminary Amendments filed on 12/21/2004
- Information Disclosure Statements filed on 12/21/2004
- Biochemical Sequence Diskette filed on 12/21/2004
- Oath or Declaration filed on 06/19/2006
- Biochemical Sequence Listing filed on 12/21/2004
- Copy of references cited in ISR filed on 12/21/2004
- U.S. Basic National Fees filed on 12/21/2004
- Priority Documents filed on 12/21/2004
- Power of Attorney filed on 10/25/2005

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

DEBORAH D WILLIAMS

Telephone: (703) 308-9140 EXT 205

PART 1 - ATTORNEY/APPLICANT COPY

FORM PCT/DO/EO/903 (371 Acceptance Notice)

SAK



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

APPL NO.	FILING OR 371 (c) DATE	ART UNIT	FIL FEE REC'D	ATTY. DOCKET NO	DRAWINGS	TOT CLMS	IND CLMS
10/518,751	06/19/2006	1641	1530	001107.00526		54	9

CONFIRMATION NO. 8976

22907
 BANNER & WITCOFF
 1001 G STREET N W
 SUITE 1100
 WASHINGTON, DC 20001

RECEIVED

AUG 24 2006

FILING RECEIPT



OC000000020090867

BANNER & WITCOFF, LTD.

Date Mailed: 08/18/2006

Receipt is acknowledged of this regular Patent Application. It will be considered in its order and you will be notified as to the results of the examination. Be sure to provide the U.S. APPLICATION NUMBER, FILING DATE, NAME OF APPLICANT, and TITLE OF INVENTION when inquiring about this application. Fees transmitted by check or draft are subject to collection. Please verify the accuracy of the data presented on this receipt. **If an error is noted on this Filing Receipt, please mail to the Commissioner for Patents P.O. Box 1450 Alexandria Va 22313-1450. Please provide a copy of this Filing Receipt with the changes noted thereon. If you received a "Notice to File Missing Parts" for this application, please submit any corrections to this Filing Receipt with your reply to the Notice. When the USPTO processes the reply to the Notice, the USPTO will generate another Filing Receipt incorporating the requested corrections (if appropriate).**

Applicant(s)

Brad St Croix, Frederick, MD;
 Kenneth Kinzler, Bel Air, MD;
 Bert Vogelstein, Baltimore, MD;

DOCKETED
 001107.00526
 AUG 24 2006 AR

Power of Attorney:

Sarah Kagan--32141

Domestic Priority data as claimed by applicant

This application is a 371 of PCT/US03/19544 06/23/2003
 which claims benefit of 60/390,187 06/21/2002
 and claims benefit of 60/458,959 04/01/2003

Foreign Applications

If Required, Foreign Filing License Granted: 08/17/2006

The country code and number of your priority application, to be used for filing abroad under the Paris Convention, is **US10/518,751**

Projected Publication Date: 11/23/2006

Non-Publication Request: No

Early Publication Request: No

Title

Scroll compressor

Preliminary Class

424

PROTECTING YOUR INVENTION OUTSIDE THE UNITED STATES

Since the rights granted by a U.S. patent extend only throughout the territory of the United States and have no effect in a foreign country, an inventor who wishes patent protection in another country must apply for a patent in a specific country or in regional patent offices. Applicants may wish to consider the filing of an international application under the Patent Cooperation Treaty (PCT). An international (PCT) application generally has the same effect as a regular national patent application in each PCT-member country. The PCT process **simplifies** the filing of patent applications on the same invention in member countries, but **does not result** in a grant of "an international patent" and does not eliminate the need of applicants to file additional documents and fees in countries where patent protection is desired.

Almost every country has its own patent law, and a person desiring a patent in a particular country must make an application for patent in that country in accordance with its particular laws. Since the laws of many countries differ in various respects from the patent law of the United States, applicants are advised to seek guidance from specific foreign countries to ensure that patent rights are not lost prematurely.

Applicants also are advised that in the case of inventions made in the United States, the Director of the USPTO must issue a license before applicants can apply for a patent in a foreign country. The filing of a U.S. patent application serves as a request for a foreign filing license. The application's filing receipt contains further information and guidance as to the status of applicant's license for foreign filing.

Applicants may wish to consult the USPTO booklet, "General Information Concerning Patents" (specifically, the section entitled "Treaties and Foreign Patents") for more information on timeframes and deadlines for filing foreign patent applications. The guide is available either by contacting the USPTO Contact Center at 800-786-9199, or it can be viewed on the USPTO website at <http://www.uspto.gov/web/offices/pac/doc/general/index.html>.

For information on preventing theft of your intellectual property (patents, trademarks and copyrights), you may wish to consult the U.S. Government website, <http://www.stopfakes.gov>. Part of a Department of Commerce initiative, this website includes self-help "toolkits" giving innovators guidance on how to protect intellectual property in specific countries such as China, Korea and Mexico. For questions regarding patent enforcement issues, applicants may call the U.S. Government hotline at 1-866-999-HALT (1-866-999-4158).

**LICENSE FOR FOREIGN FILING UNDER
Title 35, United States Code, Section 184
Title 37, Code of Federal Regulations, 5.11 & 5.15**

GRANTED

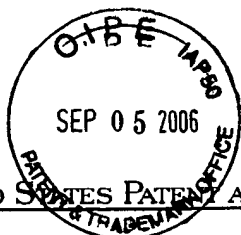
The applicant has been granted a license under 35 U.S.C. 184, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" followed by a date appears on this form. Such licenses are issued in all applications where the conditions for issuance of a license have been met, regardless of whether or not a license may be required as set forth in 37 CFR 5.15. The scope and limitations of this license are set forth in 37 CFR 5.15(a) unless an earlier license has been issued under 37 CFR 5.15(b). The license is subject to revocation upon written notification. The date indicated is the effective date of the license, unless an earlier license of similar scope has been granted under 37 CFR 5.13 or 5.14.

This license is to be retained by the licensee and may be used at any time on or after the effective date thereof unless it is revoked. This license is automatically transferred to any related applications(s) filed under 37 CFR 1.53(d). This license is not retroactive.

The grant of a license does not in any way lessen the responsibility of a licensee for the security of the subject matter as imposed by any Government contract or the provisions of existing laws relating to espionage and the national security or the export of technical data. Licensees should apprise themselves of current regulations especially with respect to certain countries, of other agencies, particularly the Office of Defense Trade Controls, Department of State (with respect to Arms, Munitions and Implements of War (22 CFR 121-128)); the Bureau of Industry and Security, Department of Commerce (15 CFR parts 730-774); the Office of Foreign Assets Control, Department of Treasury (31 CFR Parts 500+) and the Department of Energy.

NOT GRANTED

No license under 35 U.S.C. 184 has been granted at this time, if the phrase "IF REQUIRED, FOREIGN FILING LICENSE GRANTED" DOES NOT appear on this form. Applicant may still petition for a license under 37 CFR 5.12, if a license is desired before the expiration of 6 months from the filing date of the application. If 6 months has lapsed from the filing date of this application and the licensee has not received any indication of a secrecy order under 35 U.S.C. 181, the licensee may foreign file the application pursuant to 37 CFR 5.15(b).



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
 United States Patent and Trademark Office
 Address: COMMISSIONER FOR PATENTS
 P.O. Box 1450
 Alexandria, Virginia 22313-1450
 www.uspto.gov

U.S. APPLICATION NUMBER NO.	FIRST NAMED APPLICANT	ATTY. DOCKET NO.
10/518,751	Brad St Croix	001107.00526

INTERNATIONAL APPLICATION NO.	
PCT/US03/19544	
I.A. FILING DATE	PRIORITY DATE
06/23/2003	06/21/2002

22907
 BANNER & WITCOFF
 1001 G STREET N W
 SUITE 1100
 WASHINGTON, DC 20001

CONFIRMATION NO. 8976

371 ACCEPTANCE LETTER



OC000000020090868

Date Mailed: 08/18/2006

NOTICE OF ACCEPTANCE OF APPLICATION UNDER 35 U.S.C 371 AND 37 CFR 1.495

The applicant is hereby advised that the United States Patent and Trademark Office in its capacity as a Designated / Elected Office (37 CFR 1.495), has determined that the above identified international application has met the requirements of 35 U.S.C. 371, and is ACCEPTED for national patentability examination in the United States Patent and Trademark Office.

The United States Application Number assigned to the application is shown above and the relevant dates are:

<u>06/19/2006</u>	<u>06/19/2006</u>
DATE OF RECEIPT OF 35 U.S.C. 371(c)(1), (c)(2) and (c)(4) REQUIREMENTS	DATE OF COMPLETION OF ALL 35 U.S.C. 371 REQUIREMENTS

A Filing Receipt (PTO-103X) will be issued for the present application in due course. **THE DATE APPEARING ON THE FILING RECEIPT AS THE " FILING DATE" IS THE DATE ON WHICH THE LAST OF THE 35 U.S.C. 371 (c)(1), (c)(2) and (c)(4) REQUIREMENTS HAS BEEN RECEIVED IN THE OFFICE. THIS DATE IS SHOWN ABOVE.** The filing date of the above identified application is the international filing date of the international application (Article 11(3) and 35 U.S.C. 363). Once the Filing Receipt has been received, send all correspondence to the Group Art Unit designated thereon.

The following items have been received:

- Copy of the International Application filed on 12/21/2004
- Copy of the International Search Report filed on 12/21/2004
- Preliminary Amendments filed on 12/21/2004
- Information Disclosure Statements filed on 12/21/2004
- Biochemical Sequence Diskette filed on 12/21/2004
- Oath or Declaration filed on 06/19/2006
- Biochemical Sequence Listing filed on 12/21/2004
- Copy of references cited in ISR filed on 12/21/2004
- U.S. Basic National Fees filed on 12/21/2004
- Priority Documents filed on 12/21/2004
- Power of Attorney filed on 10/25/2005

Applicant is reminded that any communications to the United States Patent and Trademark Office must be mailed to the address given in the heading and include the U.S. application no. shown above (37 CFR 1.5)

DEBORAH D WILLIAMS

Telephone: (703) 308-9140 EXT 205

PART 1 - ATTORNEY/APPLICANT COPY

FORM PCT/DO/EO/903 (371 Acceptance Notice)